Work out all the following problems from Royden’s book. Every problem is worth 5 points.

- **Section 9.1** (page 192): 6.
- **Section 9.2** (page 196): 9 d), e) (you may assume without proof parts a) – c) ).
- **Section 9.3** (page 199): 17.
- **Section 9.4** (page 201-202): 18, 19.